Original/Duplicate/Triplicate

Est Cost 450.00Lakhs

Code: [redacted]-20-000013

CONTRACT CERTIFICATE

TS. No:

(FOR OTHER WORKS)

No: Ist & part Bill

Date:

Division : **Project Division, Yelahanka**

Bill Received No. Date Cash Book vr.No. Date:

Scheduled Docket No Head of Account

Name of work :- Drilling of Borewells, Installation of Pump and motors, Providing pipeline and additional motor pumps and necessary accessories to existing borewells in ward no. 06

Name of Contractor and full address: M/s Nagasandra Ramarao Satish (Sathya Borewell Cleaning), Vidya nagar, T dasarahalli, Bangalore 560057

Reference to agreement No :- BBMP/YNK/EE(P)/KPD/TEND/04/201920 dated:-09/05/2019

Certified that the measurement were taken by me on dated:- 30.03.2021 and recorded as Page 582503-582517 of measurement Book No: 01/2021 and that the work is satisfactorily executed.

Contractor

Officer-in-charge of work

Certified that the measurement were checked by me on 30/3/2021 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account if have been actually brought to the of the work and the contractor has not previously received any advance on this security. These Materials are of an Imperishable nature and are all required by the contractor for immediate use on the work in connection with items for which rates for finished work have been agreed upon. A formal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

II Memorandum of Payment

1	Total value of work done or supplies made as per Account with in	.....	Total 2,72,25,892.00
2	Deduct amount to be held in reserve being.....percent Rs.....	.....	
3	Balance	.....	
4	Deduct Payments		Deduction 1% 272259.00
	a) Amount of previous payment as in the Office Cash Book vr. No.....Dated.....S.D.No.....		CESS 1% 272259.00
	Amount adjusted towards cash advance recovery of		CBF 0.1% 27226.00
	b) Payments cost of store or other materials supplied		CASS 243088.00
	Now made Recovery of amount Creditable to his/other work		SASS 243088.00
	Amount paid on this bill be cheque/cash		
5	Balance being unpaid value of work done held in reverse TOTAL	.....	
6	Deduct cash advance made on the Office Cash Book Vr.No.....	.....	
	Dated.....less adjustment	.....	
7	No amount due to or from contractor	.....	Total deduction 1057920.00
	Unadjustment items	.....	
8	Advance to contractor for materials brought site (as detailed) within		Net payable 2,61,67,972.00
	Value of Government materials supplied	.....	
	Total Amount adjusted	.....	

A/S

Contractor's Signature

(for use in the office)

Received Rs.....in words.....

.....

.....by cash and by adjustment

Payment as per memorandum.

(in final settlement of all demands)

Witness:

1

2

Receipt Stamp

Date Signature of Contractor

Audited & Admitted for Rs. Rs. 2,72,25,892/-

Rs. 2,61,67,972/- by Cheque

and Rs. 10,57,920/- by Adjustment

Accts. Supdt. 30/4/2021
Project Division
B.B.M.P.

Exe. Engineer
Project Division
B.B.M.P

Paid by me by Cheque No.....Date.....

Cash Rs.....

Date.....Initial of officer making payment

Dated.. Executive Engineer

Name of work : Drilling of Borewells, Installation of Pump and motors, Providing pipeline and additional motor pumps and necessary accessories to existing borewells in ward no. 06

SL No	Items grouped under sub-heads and sub-works of the estimate		Previous Measurement			Present Measurement			Total Up-to-date	
		Unit	Qty	Rate Rs. P.	Cost	Qty	Rate Rs. P.	Cost	Qty	Cost
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation,	Each BW				35	4228	147980	35	147980
2	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) 0 to 50 m	Rmtr				1750	389	680750	1750	680750
3	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap	Rmtr				1750	496	868000	1750	868000
4	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) 100 to 150 m	Rmtr				1750	511	894250	1750	894250
5	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) 150 to 200 m	Rmtr				1750	601	1051750	1750	1051750

SL No	Items grouped under sub-heads and sub-works of the estimate		Previous Measurement			Present Measurement			Total Up-to-date	
		Unit	Qty	Rate Rs. P.	Cost	Qty	Rate Rs. P.	Cost	Qty	Cost
6	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) 200 to 250 m	Rmtr				1750	711	1244250	1750	1244250
7	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap	Rmtr				1750	785	1373750	1750	1373750
8	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) 300 to 350 m	Rmtr				1750	250	437500	1750	437500
9	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap	Rmtr				1186	1000	1186000	1186	1186000
10	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continous welded midle steel tube material confirming to IS 1387/1993 and manufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end(including of all	Rmtr				1575	1480	2331000	1575	2331000
11	Providing and fixing 250mm dia PVC pipe and as per specification and directions.	Rmtr				350	1250	437500	350	437500
12	175 mm dia M.S. Casing cap	Each				35	103	3605	35	3605
13	M.S. Casing pipe collars 'C' Class	Each				277	154	42658	277	42658
14	Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with	Sqm				7.7e+05	0.33	254100	770000	254100

SL No	Items grouped under sub-heads and sub-works of the estimate		Previous Measurement			Present Measurement			Total Up-to-date	
		Unit	Qty	Rate Rs. P.	Cost	Qty	Rate Rs. P.	Cost	Qty	Cost
15	Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (each length = 6.00m)	Each				1598	92	147016	1598	147016
16	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete....	No				87	234	20358	87	20358
17	Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554)	Mtr				766	140	107240	766	107240
18	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces	Mtr				708	117	82836	708	82836
19	Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm	Mtr				56	294	16464	56	16464
20	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit./ the pit should be filled with equal proportion of salt and charocal 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc,. is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia	No				29	4317	125193	29	125193
21	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmmUG cable filled with necessary bitumen/ insulating compound complete with terminals, clamps, bolts nuts and washers etc,	No				29	280	8120	29	8120
22	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20 x 20 x 2.5 inches	No				29	302	8758	29	8758
23	Cleaning of bore well inciuding yield tetsting of borewell either using slow or fast rig for not more than 2 hours at the final depth with air compressor or suitable pump as per specification (PRED 12-13 SL NO.9.5 PAGE NO.49)	Each				0	10128	0	0	0
24	Borewell Clamp Set	Set				29	1800	52200	29	52200

Sl. No.	Items grouped under sub-heads and sub-works of the estimate	Unit	Previous Measurement			Present Measurement			Total Up-to-date	
			Qty	Rate Rs. P.	Cost	Qty	Rate Rs. P.	Cost	Qty	Cost
25	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the	No				29	72500	2102500	29	2102500
26	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the	Rmtr				0	91800	0	0	0
27	Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings) 50mm dia GI pipe B Class	No				9622	435	4185570	9622	4185570
28	Supply and fixing Heavy Collar for GI Pipes 50MM	Mtr				1656	0.88	1457	1656	1457
29	Supplying of submersible pump cable 1X3X6..0 Sq.mm	No				19898	145	2885210	19898	2885210
30	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above Up to 20HP with	No				29	21000	609000	29	609000
31	Supplying & delivery of brand 50mm Gate Valve.	No				29	1800	52200	29	52200
32	Supplying & delivery of brand 50mm Non Return Valve.	No				29	1800	52200	29	52200
33	Supplying and fixing MCB	No				29	900	26100	29	26100

SL No	Items grouped under sub-heads and sub-works of the estimate	Unit	Previous Measurement			Present Measurement			Total Up-to-date	
			Qty	Rate Rs. P.	Cost	Qty	Rate Rs. P.	Cost	Qty	Cost
34	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in Ordinary soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications	Cum				2655	318	844290	2655	844290
35	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete	Mtr				5900	395	2330500	5900	2330500
36	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications	Cum				2655	129.16	342920	2655	342920
	TOTAL							24953225		24953225
	GST 12% for AMOUNT							1715627		1715627
	bescom chargess					30	18568	557040	30	557040
	NET TOTAL							27225892		27225892

Rupees in words: Two crore seventy two lakhs twenty five thousand eight hundred and ninty two only

Certificate

1 The contractor work done and Satisfactorly
2 Departmental Issues Nill
3 The Amount chargeble to P3639 Under mukhyamanthrigala Nava Bengaluru yojane

Junior/Asst. Engineer

Asst, Executive Engineer
Project Division, Yelahanka Zone
BBMP, Bangalore - 92

Executive Engineer
Project Division, Yelahanka Zone
BBMP, Bangalore - 92